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#15  
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TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 11/18/2002

PATENT APPLICATION: US/09/853,646A

TIME: 12:53:57

Input Set : A:\Sequence Listing.DOC

Output Set: N:\CRF4\11182002\I853646A.raw

ENTERED

```

4 <110> APPLICANT: Nicolaides, Nicholas
5      Sass, Philip
6      Grasso, Luigi
7      Kinzler, Kenneth
8      Vogelstein, Bert
10 <120> TITLE OF INVENTION: A METHOD FOR GENERATING HYPERMUTABLE
11      ORGANISMS
14 <130> FILE REFERENCE: 01107.00138
16 <140> CURRENT APPLICATION NUMBER: 09/853,646A
17 <141> CURRENT FILING DATE: 2001-05-14
19 <150> PRIOR APPLICATION NUMBER: 60/204,769
20 <151> PRIOR FILING DATE: 2000-05-17
22 <160> NUMBER OF SEQ ID NOS: 4
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 64
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: PCR primer
35 <400> SEQUENCE: 1
36 ccaagcttag accaccatgg caaaaaaaaaa aaaaaaaaaa aatcgctacc ccacacatta      60
37 atgc                                                                    64
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 87
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: PCR primer
47 <400> SEQUENCE: 2
48 ataagaatgc ggccgctatc cttagctagc gtaatctgga acatcgtaag cgtaatctgg      60
49 aacatcgtag tctttatcgc ccagcag                                         87
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 26
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Recombinant DNA
59 <400> SEQUENCE: 3
60 atggcaaaaa aaaaaaaaaa,aaaaaa                                         26
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 25
64 <212> TYPE: DNA

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DATE: 11/18/2002

PATENT APPLICATION: US/09/853,646A

TIME: 12:53:57

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Output Set: N:\CRF4\11182002\I853646A.raw

65 &lt;213&gt; ORGANISM: Artificial Sequence

67 &lt;220&gt; FEATURE:

68 &lt;223&gt; OTHER INFORMATION: Recombinant DNA

70 &lt;400&gt; SEQUENCE: 4

71 atggcaaaaa aaaaaaaaaa aaaaaa

25

**VERIFICATION SUMMARY**

DATE: 11/18/2002

PATENT APPLICATION: US/09/853,646A

TIME: 12:53:58

Input Set : A:\Sequence Listing.DOC

Output Set: N:\CRF4\11182002\I853646A.raw